Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## HiLow Worksheet

1. Draw the translation from the English to the code.

***// Ask the user to guess a number***

**int** guess = MessageBox.*askForNumericalInput*(“What is your guess?”);

1. Draw the translation from the English to the code.

***// If the guess is correct.***

**if** (guess == answer)

{

}

3. What are the possible result values allowed for the **condition** of an ‘if’ statement?  
  
**if** (condition)

{

***// code…***

}

1. Do the following for the code below:

|  |  |
| --- | --- |
| **public** **class** HiLow  {  **public** **static** **void** main(String[] *args*)  {  **int** *answer* = NumberUtils.*getRandomInt*(1, 100);  **for** (**int** *i* = 1; *i* <= 8; *i*++)  {  **int** *guess* = MessageBox.*askForNumericalInput*("Can you guess the random number between 1 and 100?");  **if** (*guess* == *answer*)  {  MessageBox.*showMessage*("You won!");  System.*exit*(0);  }  **else** **if** (*answer* < *guess*)  {  MessageBox.*showMessage*("Try a lower number.");  }  **else** **if** (*guess* < *answer*)  {  MessageBox.*showMessage*("Try a higher number.");  }  }  MessageBox.*showMessage*("You lost!");  }  } | 1. Circle the ‘if’ conditions & put a ‘?’ by them 2. Circle the brackets that close the 1st ‘if’ statement. 3. Circle all the exit points of the method and put an ‘X’ by them. 4. Circle the line of code that translates “and exit”    1. What happens when this lines of code executes? \_\_\_\_\_\_\_\_\_\_\_\_\_ |